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☐ 1: D83493. Human MnSOD gene,...[gi:1841351]

Related Sequences, Protein, PubMed, Taxonomy

LOCUS D83493 418 bp DNA linear PRI 14-APR-2000
 DEFINITION Human MnSOD gene, mitochondrial targetting sequence, partial cds.
 ACCESSION D83493
 VERSION D83493.1 GI:1841351
 KEYWORDS Mn-superoxide dismutase; mitochondrial targetting sequence; MTS.
 SOURCE Homo sapiens DNA.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (sites)
 AUTHORS Shimoda-Matsubayashi,S., Matsumine,H., Kobayashi,T.,
 Nakagawa-Hattori,Y., Shimizu,Y. and Mizuno,Y.
 TITLE Structural dimorphism in the mitochondrial targetting sequence in
 the human manganese superoxide dismutase gene. A predictive
 evidence for conformational change to influence mitochondrial
 transport and a study of allelic association in Parkinson's disease
 JOURNAL Biochem. Biophys. Res. Commun. 226 (2), 561-565 (1996)
 MEDLINE 96400297
 REMARK Erratum:[[published erratum appears in Biochem Biophys Res Commun
 1996 Dec 4;229(1):361]]
 REFERENCE 2 (bases 1 to 418)
 AUTHORS Matsumine,H.
 JOURNAL Unpublished (1996)
 REFERENCE 3 (bases 1 to 418)
 AUTHORS Matsumine,H.
 TITLE Direct Submission
 JOURNAL Submitted (10-FEB-1996) Hiroto Matsumine, Juntendo University
 School of Medicine, Dept. of Neurology; 2-1-1 Hongo, Bunkyo-ku,
 Tokyo 113, Japan (Tel:81-3-3813-3111, Fax:81-3-5684-0476)
 FEATURES
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 mitochondrial targetting sequence"
 CDS join(23..45,328..>418)
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 intron 46..327
 /number=1
 exon 328..418
 /number=2
 variation 351

/note="diallelic polymorphism (Ala-9Val) in the MTS of
human MnSOD in a Japanese population"
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BASE COUNT 60 a 139 c 165 g 54 t
ORIGIN

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301  gaccgggctg tgctttctcg tcttcagcac cagcaggcag ctggctccgg ctttggggta
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Revised: October 24, 2001.

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